

EU TYPE-EXAMINATION CERTIFICATE

1. EU type-examination Certificate (Module B)
2. Equipment or Protective System intended for use in potentially explosive atmospheres (Directive 2014/34/EU)



3. EU type examination certificate Nr **ITS18ATEX23198X**

4. **Product:** Vibration Sensors EX-621 and EXM-621

5. **Manufacturer:** PCB Piezotronics, Incorporated

Applicant: PCB Piezotronics, Incorporated

6. **Address:** 3425 Walden Avenue, Depew
NY 14043-2495, USA

Address: 3425 Walden Avenue, Depew
NY 14043-2495, USA

7. This product and any acceptable variation thereto are specified in the schedule to this certificate and therein referred to.

8. INTERTEK ITALIA S.p.A., Notified Body n° 2575 in accordance with article 17 of the Directive 2014/34/EU of the European Parliament and Council of the 26 February 2014, certifies that the equipment or protective system has been found to comply with the essential Health and Safety Requirements relating to the design and construction of equipment and protective system intended for use in potentially explosive atmosphere, given in Annex II of the Directive.

The examination and tests results are recorded in confidential technical evaluation Intertek Testing and Certification Report Nr. 103117575CRT-002d to -002f issue dated 06/28/2018.

9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0:2012+A11:2013, EN 60079-11:2012 except in respect of those requirements referred to at item 18 of the Schedule.

10. If the sign X is placed after the certificate number, it indicates that the product is subject to Special Conditions for Safe Use specified in the schedule to this certificate.

11. This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12. The marking of the product shall include the following:



II 1 G Ex ia IIC T4 Ga

Certificate issue date

25 March 2019

Gian Paolo Tondetta
Gian Paolo Tondetta

Certification Manager ATEX
Intertek Italia S.p.A. (NB 2575)



PDR N° 277B

Membro degli Accordi di Mutuo Riconoscimento EA, IAF e ILAC

Signatory of EA, IAF and ILAC Mutual Recognition Agreements

This certificate is the transfer of the certificate issued by Intertek Testing & Certification Ltd. (NB 0359) having the same number.



This Certificate is for the exclusive use of Intertek's client and is provided pursuant to the agreement between Intertek and its Client. Intertek's responsibility and liability are limited to the terms and conditions of the agreement. Intertek assumes no liability to any party, other than to the Client in accordance with the agreement, for any loss, expense or damage occasioned by the use of this Certificate. Only the Client is authorized to permit copying or distribution of this Certificate and then only in its entirety. Any use of the Intertek name or one of its marks for the sale or advertisement of the tested material, product or service must first be approved in writing by Intertek.

Intertek Italia S.p.A. Via Miglioli, 2/A - 20063 Cernusco sul Naviglio, Milano - Italy



13. SCHEDULE

14. EU TYPE EXAMINATION CERTIFICATE NUMBER: **ITS18ATEX23198X**

15. **DESCRIPTION OF THE EQUIPMENT OR PROTECTIVE SYSTEM**

EX621 and EXM621 (M with Metric Option) are vibration sensor designed and manufactured by PCB piezotronics Inc. These sensors are evaluated for use in Zone 0 environment. They are evaluated for Ex ia IIC T4 Ga classified hazardous locations. Construction of both EX621 and EXM621 is electrical same. Mechanically EXM has M-type of connection for power while EX621 sensor are equipped with other type threaded connector. Sensor is powered in classified area using EX certified Barrier. Sensor incorporates Piezo element for sensing vibration. These signals are amplified internally on amplifier board

CE Marking shall be accompanied by the identification number of the Notified Body responsible for surveillance of production.

16. **DRAWINGS AND DOCUMENTS**

TITLE	DOCUMENT Nr	LEVEL	DATE
Technical File Intrinsic Safety ATEX, IECEX and ETL"ia"	69019	NR	05/30/2018

Copies of the above listed documents are kept at Intertek Italia S.p.A. archive.

17. **SPECIAL CONDITIONS FOR SAFE USE**

Equipment does not comply with requirement of EN 60079-11:2012 clause 6.3.13 for di-electric testing.

18. **ESSENTIAL HEALTH AND SAFETY REQUIREMENTS**

The relevant essential Health and Safety Requirements have been identified and assessed in Intertek Testing and Certification Report Nr. 103117575CRT-002d to -002f issue dated 06/28/2018.

19. **ROUTINE (FACTORY) TESTS**

None.

20. **DETAIL OF CERTIFICATE CHANGES**

None.

EU-Type Examination Certificate



Intertek

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- EU-TYPE EXAMINATION CERTIFICATE**
- Equipment or Protective System Intended for use in Potentially Explosive Atmospheres Directive 2014/34/EU
- EU-Type Examination Certificate Number: ITS18ATEX23198X
- Product:** Vibration Sensors
- Manufacturer:** EX-621 and EXM-621
- Address:** PCB Piezotronics, Incorporated
3425 Walden Avenue, Depew, NY 14043-2495, USA.
- This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.
- Intertek Testing and Certification Limited, Notified Body number 0359 in accordance with Article 17 of Directive 2014/34/EU of the European Parliament and of the Council dated 26 February 2014, certifies that the product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive.

The examination and test results are recorded in confidential Intertek Report 103117575CRT-002d to -002f Ref Issue dated 27 June 2018.
- Compliance with the Essential Health and Safety Requirements has been assured by compliance with EN 60079-0: 2012+A11:2013, EN 60079-11: 2012 except in respect of those requirements referred to at item 16 of the Schedule.
- If the sign "X" is placed after the certificate number, it indicates that the product is subject to Specific Conditions of Safe Use specified in the Schedule to this certificate.
- This EU-Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.
- The marking of the product shall include the following:



Ex ia IIC T4 Ga

Ui: 28V, Ii: 93 mA, Pi: 0.65W, Ci: 6.5nF, Li: 0μH

-56°C < Tamb < +121°C

Intertek Testing & Certification Limited
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www.intertek.com

Registered No 3272281 Registered Office: Academy Place, 1-9 Brook Street, Brentwood, Essex, CM14 5NQ.

Kevin J. Wolf
Certification Officer
29 June 2018

Page 1 of 4

This certificate may only be reproduced in its entirety and without any change, schedule included and is subject to Intertek Testing and Certification's Conditions for Granting Certification.

RFT-EU-NB-OP-23k1 June 29, 2016

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EU-Type Examination Certificate



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SCHEDULE

EU-TYPE EXAMINATION CERTIFICATE NUMBER ITS17ATEX42429

13. Description of Equipment or Protective System

EX621xyyy/aaa or EXM621xyyy/aaa Vibration Sensors are vibration sensor designed and manufactured by PCB piezotronics Inc. These sensors are evaluated for use in Zone 0 environment. They are evaluated for Ex ia IIC T4 Ga classified hazardous locations. Construction of both EXM621 and EX(XX)621 is electrical same. Mechanically EXM has M-type of connection for power while EX(XX) sensor are equipped with other type threaded connector. Sensor is powered in classified area using EX certified Barrier. Sensor incorporates Piezo element for sensing vibration. These signals are amplified internally on amplifier board.

14. Report Number

Intertek Report 103117575CRT-002d to -002f Ref Issue dated 27 June 2018

15. Special Conditions of Certification

(a). Specific Conditions of Safe Use

- Equipment does not comply with requirement of EN 60079-11:2012 clause 6.3.13 for di-electric testing.

(b). Conditions of Manufacture - Routine Tests

- ...NONE

